

IN THE CLAIMS:

Please cancel, without prejudice or disclaimer, claims 65, 66, and 68.

Please amend, without prejudice or disclaimer, claims 32 and 67 as shown below. Applicants attach an Appendix complying with Rule 121 to this paper.

32. (Amended) A ready-to-use composition for the oxidation dyeing of keratin fibers, comprising:

- at least one first oxidation base chosen from para-phenylenediamine compounds other than para-phenylenediamine; double bases; ortho-aminophenols; heterocyclic bases; and acid-addition salts thereof,
- at least one second oxidation base chosen from para-aminophenols and acid-addition salts thereof,
- at least one coupler chosen from meta-aminophenols and acid-addition salts thereof,
- at least one enzyme chosen from 2-electron oxidoreductases,
- at least one donor for said at least one enzyme, and
- at least one peroxidase.

67. (Twice Amended) A process for dyeing keratin fibers, comprising applying at least one ready-to-use dye composition for the oxidation dyeing of keratin fibers to said fibers and developing for a period of time sufficient to achieve desired coloration, wherein said ready-to-use dye composition comprises:

- at least one first oxidation base chosen from para-phenylenediamine compounds other than para-phenylenediamine; double bases; ortho-aminophenols; heterocyclic bases; and acid-addition salts thereof,
- at least one second oxidation base chosen from para-aminophenols and acid-addition salts thereof,

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- at least one coupler chosen from meta-aminophenols and acid-addition salts thereof,
  - at least one enzyme chosen from 2-electron oxidoreductases,
  - at least one donor for said at least one enzyme; and
  - at least one peroxidase.

Please add new claims 75 and 76 as follows:

75. (New) A ready-to-use composition for the oxidation dyeing of keratin fibers, comprising:

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- at least one first oxidation base chosen from  
para-phenylenediamine compounds chosen from: 2,3-dimethyl-para-phenylenediamine, 2,6-dimethyl-para-phenylenediamine, 2,6-diethyl-para-phenylenediamine, 2,5-dimethyl-para-phenylenediamine, N,N-dimethyl-para-phenylenediamine, N,N-diethyl-para-phenylenediamine, N,N-dipropyl-para-phenylenediamine, 4-amino-N,N-diethyl-3-methylaniline, N,N-bis(β-hydroxyethyl)-para-phenylenediamine, 4-amino-N,N-bis(β-hydroxyethyl)-2-methylaniline, 4-amino-2-chloro-N,N-bis(β-hydroxyethyl)aniline, 2-β-hydroxyethyl-para-phenylenediamine, 2-fluoro-para-phenylenediamine, 2-isopropyl-para-phenylenediamine, N-(β-hydroxypropyl)-para-phenylenediamine, 2-hydroxymethyl-para-phenylenediamine, N,N-dimethyl-3-methyl-para-phenylenediamine, N,N-(ethyl-β-hydroxyethyl)-para-phenylenediamine, N-(β,γ-dihydroxypropyl)-para-phenylenediamine, N-(4'-aminophenyl)-para-phenylenediamine, N-phenyl-para-phenylenediamine, 2-β-hydroxyethyloxy-para-phenylenediamine, 2-β-acetylaminoethyloxy-para-phenylenediamine, N-(β-methoxyethyl)-para-phenylenediamine, and acid-addition salts thereof,

double bases chosen from: N,N'-bis(β-hydroxyethyl)-N,N'-bis(4'-aminophenyl)-1,3-diaminopropanol, N,N'-bis(β-hydroxyethyl)-N,N'-bis(4'-aminophenyl)ethylenediamine, N,N'-bis(4'-aminophenyl)tetramethylenediamine, N,N'-bis(β-

hydroxyethyl)-N,N'-bis(4-aminophenyl)tetramethylenediamine, N,N'-bis(4-methylaminophenyl)tetramethylenediamine, N,N'-bis(ethyl)-N,N'-bis(4'-amino-3'-methylphenyl)ethylenediamine, 1,8-bis(2,5-diaminophenoxy)-3,5-dioxaoctane, and acid-addition salts thereof,

ortho-aminophenols chosen from: 2-amino-5-methylphenol, 2-amino-6-methylphenol, 5-acetamido-2-aminophenol, and acid-addition salts thereof,

pyridine compounds chosen from: 2,5-diaminopyridine, 2-(4-methoxyphenyl)amino-3-amino-pyridine, 2,3-diamino-6-methoxypyridine, 2-( $\beta$ -methoxy-ethyl)amino-3-amino-6-methoxypyridine, 3,4-diaminopyridine, and acid-addition salts thereof,

pyrimidine compounds chosen from: 2,4,5,6-tetraamino-pyrimidine, 4-hydroxy-2,5,6-triaminopyrimidine, 2-hydroxy-4,5,6-triamino-pyrimidine, 2,4-dihydroxy-5,6-diaminopyrimidine, 2,5,6-tri-amino-pyrimidine, and acid-addition salts thereof,

pyrazole compounds chosen from: 4,5-diamino-1-methyl-pyrazole, 3,4-diaminopyrazole, 4,5-diamino-1-(4'-chlorobenzyl)pyrazole, 4,5-diamino-1,3-dimethyl-pyrazole, 4,5-diamino-3-methyl-1-phenylpyrazole, 4,5-diamino-1-methyl-3-phenylpyrazole, 4-amino-1,3-di-methyl-5-hydrazinopyrazole, 1-benzyl-4,5-diamino-3-methyl-pyrazole, 4,5-diamino-3-tert-butyl-1-methyl-pyrazole, 4,5-diamino-1-tert-butyl-3-methylpyrazole, 4,5-diamino-1-( $\beta$ -hydroxyethyl)-3-methylpyrazole, 4,5-diamino-1-ethyl-3-methylpyrazole, 4,5-diamino-1-ethyl-3-(4'-methoxyphenyl)pyrazole, 4,5-diamino-1-ethyl-3-hydroxymethylpyrazole, 4,5-diamino-3-hydroxymethyl-1-methyl-pyrazole, 4,5-diamino-3-hydroxymethyl-1-iso-propyl-pyrazole, 4,5-diamino-3-methyl-1-isopropyl-pyrazole, 4-amino-5-(2'-amino-ethyl)amino-1,3-dimethyl-pyrazole, 3,4,5-triamino-pyrazole, 1-methyl-3,4,5-tri-amino-pyrazole,

3,5-diamino-1-methyl-4-methylamino-pyrazole, 3,5-diamino-4-( $\beta$ -hydroxyethyl)amino-1-methyl-pyrazole, and acid-addition salts thereof,

pyrazolopyrimidine compounds chosen from:

- 13 Cont'd
- pyrazolo[1,5-a]pyrimidine-3,7-diamine;
  - 2,5-dimethylpyrazolo[1,5-a]pyrimidine-3,7-diamine;
  - pyrazolo[1,5-a]pyrimidine-3,5-diamine;
  - 2,7-dimethylpyrazolo[1,5-a]pyrimidine-3,5-diamine;
  - 3-aminopyrazolo[1,5-a]pyrimidin-7-ol;
  - 3-aminopyrazolo[1,5-a]pyrimidin-5-ol;
  - 2-(3-aminopyrazolo[1,5-a]pyrimidin-7-ylamino)ethanol;
  - 2-(7-aminopyrazolo[1,5-a]pyrimidin-3-ylamino)ethanol;
  - 2-[(3-aminopyrazolo[1,5-a]pyrimidin-7-yl)-(2-hydroxy-ethyl)amino]ethanol;
  - 2-[(7-aminopyrazolo[1,5-a]pyrimidin-3-yl)-(2-hydroxy-ethyl)amino]ethanol;
  - 5,6-dimethylpyrazolo[1,5-a]pyrimidine-3,7-diamine;
  - 2,6-dimethylpyrazolo[1,5-a]pyrimidine-3,7-diamine;
  - 2,5,N7,N7-tetramethylpyrazolo[1,5-a]pyrimidine-3,7-diamine;

and addition salts thereof and the tautomeric forms thereof, when a tautomeric equilibrium exists;

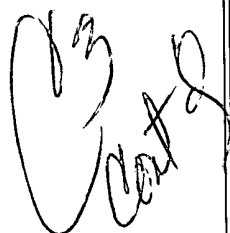
— at least one second oxidation base chosen from para-aminophenol, 4-amino-3-methylphenol, 4-amino-3-fluorophenol, 4-amino-3-hydroxymethylphenol, 4-amino-2-methylphenol, 4-amino-2-hydroxymethylphenol, 4-amino-2-methoxymethylphenol, 4-amino-2-aminomethylphenol, 4-amino-2-( $\beta$ -hydroxyethylaminomethyl)phenol, 4-amino-2-fluorophenol, and acid-addition salts thereof;

— at least one meta-aminophenol coupler chosen from meta-aminophenol, 5-amino-2-methoxyphenol, 5-amino-2-( $\beta$ -hydroxyethyloxy)phenol, 5-amino-2-methylphenol, 5-N-( $\beta$ -hydroxyethyl)amino-2-methylphenol, 5-N-( $\beta$ -hydroxyethyl)amino-4-methoxy-2-methylphenol, 5-amino-4-methoxy-2-methylphenol, 5-amino-4-chloro-2-

methylphenol, 5-amino-2,4-dimethoxyphenol, 5-( $\gamma$ -hydroxypropylamino)-2-methylphenol and acid-addition salts thereof;

- at least one 2-electron oxidoreductase chosen from pyranose oxidases, glucose oxidases, glycerol oxidases, lactate oxidases, pyruvate oxidases and uricases; and
- at least one donor for said 2-electron oxidoreductase chosen from D-glucose, L-sorbose, D-xylose, glycerol, dihydroxyacetone, lactic acid and salts thereof; pyruvic acid and salts thereof; and uric acid and salts thereof.

76. (New) A process for dyeing keratin fibers, comprising applying at least one ready-to-use dye composition for the oxidation dyeing of keratin fibers to said fibers and developing for a period sufficient to achieve the desired coloration, wherein said ready-to-use dye composition comprises:

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- at least one first oxidation base chosen from  
para-phenylenediamine compounds chosen from: 2,3-dimethyl-para-phenylenediamine, 2,6-dimethyl-para-phenylenediamine, 2,6-diethyl-para-phenylenediamine, 2,5-dimethyl-para-phenylenediamine, N,N-dimethyl-para-phenylenediamine, N,N-diethyl-para-phenylenediamine, N,N-dipropyl-para-phenylenediamine, 4-amino-N,N-diethyl-3-methylaniline, N,N-bis( $\beta$ -hydroxyethyl)-para-phenylenediamine, 4-amino-N,N-bis( $\beta$ -hydroxyethyl)-2-methylaniline, 4-amino-2-chloro-N,N-bis( $\beta$ -hydroxyethyl)aniline, 2- $\beta$ -hydroxyethyl-para-phenylenediamine, 2-fluoro-para-phenylenediamine, 2-isopropyl-para-phenylenediamine, N-( $\beta$ -hydroxypropyl)-para-phenylenediamine, 2-hydroxymethyl-para-phenylenediamine, N,N-dimethyl-3-methyl-para-phenylenediamine, N,N-(ethyl- $\beta$ -hydroxyethyl)-para-phenylenediamine, N-( $\beta$ , $\gamma$ -dihydroxypropyl)-para-phenylenediamine, N-(4'-aminophenyl)-para-phenylenediamine, N-phenyl-para-phenylenediamine, 2- $\beta$ -hydroxyethyloxy-para-phenylenediamine, 2- $\beta$ -acetylaminoethyloxy-para-phenylenediamine, N-( $\beta$ -methoxyethyl)-para-phenylenediamine, and acid-addition salts thereof,

double bases chosen from: N,N'-bis( $\beta$ -hydroxyethyl)-N,N'-bis(4'-aminophenyl)-1,3-diaminopropanol, N,N'-bis( $\beta$ -hydroxyethyl)-N,N'-bis(4'-aminophenyl)ethylenediamine, N,N'-bis(4'-aminophenyl)tetramethylenediamine, N,N'-bis( $\beta$ -hydroxyethyl)-N,N'-bis(4'-aminophenyl)tetramethylenediamine, N,N'-bis(4-methylaminophenyl)tetramethylenediamine, N,N'-bis(ethyl)-N,N'-bis(4'-amino-3'-methylphenyl)ethylenediamine, 1,8-bis(2,5-diaminophenoxy)-3,5-dioxaoctane, and acid-addition salts thereof,

ortho-aminophenols chosen from: 2-amino-5-methylphenol, 2-amino-6-methylphenol, 5-acetamido-2-aminophenol, and acid-addition salts thereof,

pyridine compounds chosen from: 2,5-diaminopyridine, 2-(4-methoxyphenyl)amino-3-amino-pyridine, 2,3-diamino-6-methoxypyridine, 2-( $\beta$ -methoxy-ethyl)amino-3-amino-6-methoxypyridine, 3,4-diaminopyridine, and acid-addition salts thereof,

pyrimidine compounds chosen from: 2,4,5,6-tetraamino-pyrimidine, 4-hydroxy-2,5,6-triaminopyrimidine, 2-hydroxy-4,5,6-triamino-pyrimidine, 2,4-dihydroxy-5,6-diaminopyrimidine, 2,5,6-tri-amino-pyrimidine, and acid-addition salts thereof,

pyrazole compounds chosen from: 4,5-diamino-1-methyl-pyrazole, 3,4-diaminopyrazole, 4,5-diamino-1-(4'-chlorobenzyl)pyrazole, 4,5-diamino-1,3-dimethyl-pyrazole, 4,5-diamino-3-methyl-1-phenylpyrazole, 4,5-diamino-1-methyl-3-phenylpyrazole, 4-amino-1,3-di-methyl-5-hydrazinopyrazole, 1-benzyl-4,5-diamino-3-methyl-pyrazole, 4,5-diamino-3-tert-butyl-1-methyl-pyrazole, 4,5-diamino-1-tert-butyl-3-methylpyrazole, 4,5-diamino-1-( $\beta$ -hydroxyethyl)-3-methylpyrazole, 4,5-diamino-1-ethyl-3-methylpyrazole, 4,5-diamino-1-ethyl-3-(4'-methoxyphenyl)pyrazole, 4,5-diamino-1-ethyl-3-hydroxymethylpyrazole, 4,5-diamino-3-hydroxymethyl-1-methyl-pyrazole, 4,5-diamino-3-hydroxymethyl-1-iso-propyl-pyrazole, 4,5-diamino-3-

methyl-1-isopropyl-pyrazole, 4-amino-5-(2'-amino-ethyl)amino-1,3-dimethyl-pyrazole, 3,4,5-triamino-pyrazole, 1-methyl-3,4,5-tri-amino-pyrazole, 3,5-diamino-1-methyl-4-methylamino-pyrazole, 3,5-diamino-4-( $\beta$ -hydroxyethyl)amino-1-methyl-pyrazole, and acid-addition salts thereof,

pyrazolopyrimidine compounds chosen from:

- C3 cont'd
- pyrazolo[1,5-a]pyrimidine-3,7-diamine;
  - 2,5-dimethylpyrazolo[1,5-a]pyrimidine-3,7-diamine;
  - pyrazolo[1,5-a]pyrimidine-3,5-diamine;
  - 2,7-dimethylpyrazolo[1,5-a]pyrimidine-3,5-diamine;
  - 3-aminopyrazolo[1,5-a]pyrimidin-7-ol;
  - 3-aminopyrazolo[1,5-a]pyrimidin-5-ol;
  - 2-(3-aminopyrazolo[1,5-a]pyrimidin-7-ylamino)ethanol;
  - 2-(7-aminopyrazolo[1,5-a]pyrimidin-3-ylamino)ethanol;
  - 2-[(3-aminopyrazolo[1,5-a]pyrimidin-7-yl)-(2-hydroxy-ethyl)amino]ethanol;
  - 2-[(7-aminopyrazolo[1,5-a]pyrimidin-3-yl)-(2-hydroxy-ethyl)amino]ethanol;
  - 5,6-dimethylpyrazolo[1,5-a]pyrimidine-3,7-diamine;
  - 2,6-dimethylpyrazolo[1,5-a]pyrimidine-3,7-diamine;
  - 2,5,N7,N7-tetramethylpyrazolo[1,5-a]pyrimidine-3,7-diamine;

and addition salts thereof and the tautomeric forms thereof, when a tautomeric equilibrium exists;

- at least one second oxidation base chosen from para-aminophenol, 4-amino-3-methylphenol, 4-amino-3-fluorophenol, 4-amino-3-hydroxymethylphenol, 4-amino-2-methylphenol, 4-amino-2-hydroxymethylphenol, 4-amino-2-methoxymethylphenol, 4-amino-2-aminomethylphenol, 4-amino-2-( $\beta$ -hydroxyethylaminomethyl)phenol, 4-amino-2-fluorophenol, and acid-addition salts thereof;
- at least one meta-aminophenol coupler chosen from meta-aminophenol, 5-amino-2-methoxyphenol, 5-amino-2-( $\beta$ -hydroxyethyloxy)phenol, 5-amino-2-

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methylphenol, 5-N-(β-hydroxyethyl)amino-2-methylphenol, 5-N-(β-hydroxyethyl)amino-4-methoxy-2-methylphenol, 5-amino-4-methoxy-2-methylphenol, 5-amino-4-chloro-2-methylphenol, 5-amino-2,4-dimethoxyphenol 5-(γ-hydroxypropylamino)-2-methylphenol, and acid-addition salts thereof;

- at least one 2-electron oxidoreductase chosen from pyranose oxidases, glucose oxidases, glycerol oxidases, lactate oxidases, pyruvate oxidases and uricases; [and]
- at least one donor for said 2-electron oxidoreductase chosen from D-glucose, L-sorbose, D-xylose, glycerol, dihydroxyacetone, lactic acid and salts thereof; pyruvic acid and salts thereof; and uric acid and salts thereof.--.

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### REMARKS

#### **I. Disposition of the Claims**

Claims 32 to 64, 67, and 69 to 76 are pending. Claims 65, 66, and 68 have been cancelled. Claims 75 and 76 are presented for the first time.

#### **II. General Comments**

Claim 32 now explicitly recites the elements of original claim 65. 35 U.S.C. § 112, paragraph 4. The amendment to claim 67 is supported, e.g., by claim <sup>29</sup>28 as filed. Claims 75 and 76 parallel claims 66 and 68, respectively. Claims 75 and 76 differ from claims 66 and 68 in two ways. First, under the paragraph starting "para-phenylenediamine compounds," claims 75 and 76 lack the compounds para-toluylenediamine and 2-chloro-para-phenylenediamine. Second, under the paragraph starting "ortho-aminophenols," claims 75 and 76 lack the compound 2-aminophenol. In summary, no amendment introduces new matter.

Applicants respectfully request that this Amendment under 37 C.F.R. § 1.116 be entered by the Office, placing the presently rejected claims in condition for allowance. Applicants submit that the proposed amendments of the above claims do not raise new issues or necessitate the undertaking of any additional search of the art by the Office, because all of the elements and their relationships claimed were either earlier claimed